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CIA-RDP86-00513R000721310001-6

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Reel # 213

Kazakevich, V.Ya.
to

KAZAKEVICH, V. Ya.

Geological and petrographic characteristics of ancient
volcanic formations in the Sultan-Uiz-Dag; genesis of the
so-called Urusay dike. Uzb. geol. zhur. 9 no. 6:29-36 '65.
(MIRA 19:1)

1. Institut geologii i geofiziki imeni Abdullayeva AN UzSSR.
Submitted April 3, 1965.

KOSTYAMIN, Boris Nikolayevich; KICHKIN, Il'ya Il'ich; SIRYY, Yuriy
Yur'yevich; SUSHKOV, Boris Borisovich; KAZAKEVICH, V.Ye.,
red.; IVANOVA, Z.D., red.izd-va; SARAYEV, B.A., tekhn.red.

[Use of ultrasonics in the merchant marine] Primenenie ul'tra-
zvuka na morskem transporte. Moskva, Izd-vo "Morskoi transport,"
1960. 60 p. (MIRA 13:11)

(Merchant marine)
(Ultrasonic waves--Industrial applications)

DUTCHIKIN, Il'ya Il'ich; KALAEVICH, V.Ye., retsenzent; OMILOV, I.I.,
retsenzent; KATYK, G.Y., doktor tekhn. nauk, red.; KAN,
P.M., red.

[Transducers in marine remote control systems] Dutchiki su-
dovyk' sistem distantsionnogo kontrolija. Moscow, Izd-vo
"Transport, 1964. 209 p. (MIRA 17:1)

3

S/076/60/034/05/05/038
B010/B002

AUTHORS: Slavinskaya, N. A., Kazakevich, T. Ye., Kamenetskaya, S. A.,
Cherednichenko, V. M., Pshezhetskiy, S. Ya.

TITLE: The Burning Rate of Ozone - Oxygen Gas Mixtures

PERIODICAL: Zhurnal fizicheskoy khimii, 1960, Vol. 34, No. 5,
pp. 973-976

TEXT: The authors wanted to find out whether there is a relationship between the kinetics of the slow decomposition and the burning rate of ozone. For this purpose, they measured the propagation velocity of the ozone flame in several mixtures of ozone with oxygen in a horizontal glass tube. The photoelectric method served for determining the flame passage, and a suitable device was worked out (Fig. 1). The flame front area was measured photographically with a movie camera. The results obtained are tabulated, and are compared (Fig. 2) with the results obtained by B. Lewis (Ref. 3) and A. G. Streng and A. V. Grosse (Ref. 4). A good agreement is found among them. Experimental data obtained for the dependence of the burning rate on the gas mixture composition, are in

✓B

Card 1/2

The Burning Rate of Ozone - Oxygen Gas
Mixtures

S/076/60/034/05/05/038
B010/B002

good agreement with the values calculated from the Zel'dovich-Frank-Kamenetskiy-Semenov equation (Ref. 7). The calculated absolute values are smaller than the experimental ones. A comparison between data given here and those from Ref. 4 and the paper by T. Karman (Ref. 5) revealed that the burning rate of ozone in oxygen mixtures corresponds to the reaction kinetics of thermal ozone decomposition. N. N. Semenov is mentioned in the text. There are 2 figures, 1 table, and 11 references: 4 Soviet, 6 American, and 1 German. ✓B

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova
(Institute of Physical Chemistry imeni L. Ya. Karpov)

SUBMITTED: May 25, 1958

Card 2/2

ARTAMONOV, O.F., inzh.; KAZAKEVICH, V.Ye., inzh.; LINKOV, Ya.L.,
inzh.; SUKHAREVA, R.A., red.; KAMYSHNIKOVA, A.A., tekhn.red.

[Collection of Russian and foreign patents; semiconductors
and their applications] Sbornik otechestvennykh i zarubezh-
nykh izobretenii; poluprovodniki i ikh primenenie. Moskva,
1963. 77 p. (MIRA 16:9)

1. TSentral'nyy nauchno-issledovatel'skiy institut patentnoy
informatsii i tekhniko-ekonomiceskikh issledovaniy.
(Semiconductors--Patents) (Transistors--Patents)

KAZAKEVICH, V.Ye.; BRAZHNICKOV, V.V.; VOLKOV, S.A.; SAKODYNSKIY, K.I.

Automatic sampling in preparative chromatography. Khim.i tekhn.
topl.i masel 8 no.11:49-52 N '63. (MIRA 16:12)

1. Fiziko-khimicheskiy institut im. L.Ya.Karpova.

ACCESSION NR: AP4041032

S/0120/64/000/003/0123/0125

AUTHOR: Potapov, V. K.; Arsent'yev, A. G.; Kazakevich, V. Ye.;
Piskunov, A. K.; Chizhevskaya, N. N.

TITLE: Automatic recording of ionization curves

SOURCE: Pribory* i tekhnika eksperimenta, no. 3, 1964, 123-125

TOPIC TAGS: spectrometer, mass spectrometer, MKh-1303 mass spectrometer,
ionization curve recording

ABSTRACT: A device for automatic recording of ionization curves (up to one minute) in an MKh-1303 mass spectrometer is described. The ion-source electron gun generates 5-30-ev electrons for ionizing gases or vapors. The ionization and ion-extraction processes are time-separated. Resonance amplification of the ion current corresponding to the electron ionization with a specified energy scatter, synchronous detecting, and the direct recording of ionization

Cord 1/2

POTAPOV, V.K.; ARSENT'YEV, A.G.; KAZAKEVICH, V. Ye.; PISKUNOV, A.K.;
CHIZHEVSKAYA, N.N.

Automatic recording of ionization curves. Prib. i tekhn. eksp.
9 no.38123~125 My-Je '64 (MIRA 1861)

KAZAKEVICH, Y. I.; YERYSHEV, A. V.; PETROV, V. I.

Effect of growth promoting substance of petroleum origin on the
isolated frog heart. Nauch. dokl. vys. shkoly; biol. nauki no. 3:50-
52 1950. (MIRA 18:8)

I. Rekomendovana laboratoriyye fizioligii Brestskogo pedagogicheskogo
Instituta.

RAZUMOVICH, M.B.; KHANIK, M.L.; KAZAKEVICH, Ye.I.; PAVLENKO, O.P.;
YERISHEV, A.V.

Effect on the photographic emulsion of the volatile products
of tissue decomposition occurring during inflammatory processes.
Zhur. nauch. i prikl. fot. i kin. 9 no.1:60-61 Ja-F'64.
(MIRA 17:2)
1. Pedagogicheskiy institut imeni A.S. Pushkina, Brest.

IVANOV, Vladimir Dmitriyevich; KAZAKEVICH, Yevgeniy Pavlovich; GORODENSKIY,
L.M., red.; BOHUNOV, N.I., tekhn.red.

[Hydroelectric power resources of the Chinese People's Republic
and their use] Gidroenergeticheskie resursy Kitaiskoi Narodnoi
Respubliki i ikh ispol'zovanie. Moskva, Gos.energ.izd-vo, 1960.
47 p.

(MIRA 13:7)

(China--Hydroelectric power)

s/081/62/000/004/058/087
B150/B138

AUTHORS: Zaydenberg, B. S., Kazakevich, Ye. S. 10

TITLE: Light-weight concretes with local cements

PERIODICAL: Referativnyj zhurnal. Khimiya, no. 4, 1962, 400, abstract 19
4K406 (Sb. tr. Resp. n.-i. in-ta mestnykh stroit. materialov
(RSFSR), no. 17, 1960, 130-140)

TEXT: The possibility is studied, of obtaining light-weight concretes 20
from lime and various kinds of lime-mixture cements: lime-sand, lime-
keramzit, lime-perlite, etc. Keramzit, perlite and calcined tripolite
were used as light aggregates. With aggregates of constant particle size,
it was found that porous-clay (keramzit) concrete could be produced by
autoclave treatment with the following mechanical properties (depending
on kind of cement), compressive strength 130-190 kg/cm², and bulk weight
1250-1300 kg/cm³; perlite concrete with compressive strength 130-270 kg/cm²,
and bulk weight 1150-1300 kg/cm³; tripolite concrete with compressive
strength 140-180 kg/cm² and bulk weight, 1200-1300 kg/cm³. The lightest
concrete was produced from mixes where quicklime was used as a cement. 25

Card 1/2 30

Light-weight concretes with ...

S/081/62/000/004/058/087
B150/B138

The strongest proved to be the porous clay (keramzit) concrete with a lime/sand cement, perlite concrete with a lime/perlite cement, tripolite concrete with lime/tripolite binder with a cement additive. The strength and frost resistance of these concretes specified is considerably reduced by substitution of the autoclave treatment by steaming. [Abstracter's note: Complete translation.]

Card 2/2

SOLOVEY, D.Ya., kand.khim.nauk; SORSKAYA, E.M., inzh.; KAZAKEVICH, Ye.S.,
inzh.

Corrosion resistance of the reinforcement in air-entrained
silicate concrete, air-entrained cinder concrete and keramzit
concrete. Sbor. trud. ROSNIIMS no.20:76-83 '61. (MIRA 16:1)
(Concrete reinforcement--Corrosion)
(Lightweight concrete)

FAZAEVICH, YU. I.

Kuzkevich, Yu. I. "On the problem of studying a gold lode of eruzochar in conglomerates of the Kuznets coal field," Sbornik materialov po geologii zolota i platiny, Issue 2, 1948, p. 45-57 - Bibliog: 6 items

SO: U-3264, 10 April 53, (Letopis 'Zhurnal 'nykh Statey, No. 4, 1949).

L 46010-56 E: T(m)/EAF(t)/ETI IJF(c) JD/JG/WS

ACC NR: AT6022716

SOURCE CODE: UR/2848/66/000/041/0316/0321

AUTHORS: Kazakevich, Z. A.; Zhemchuzhina, Ye. A.ORG: Moscow Institute for Steel and Alloys, Department for Manufacture of Pure Metals and Semiconductor Materials (Moskovskiy institut stali i splavov, Kafedra proizvodstva chistykh metallov i poluprovodnikovykh materialov)59
B1TITLE: Wetting of high melting metals with a silver-copper alloySOURCE: Moscow. Institut stali i splavov. Sbornik, no. 41, 1966. Fizicheskaya khimiya metallurgicheskikh protsessov i sistem (Physical chemistry of metallurgical processes and systems), 316-321TOPIC TAGS: titanium, niobium, molybdenum, titanium oxide, silver containing alloy, copper containing alloy, surface tensionABSTRACT: The angle of contact between Ti, Mo, and Nb and the silver-copper alloy (eutectic mixture: 72% Ag, 28% Cu) was determined. The experimental procedure followed that of A. I. Belyayev and Ye. A. Zhemchuzhina (Soverkhnostnyye yavleniya v metallurgicheskikh protsessakh, Metallurgizdat, 1962). The experimental results are shown graphically (see Fig. 1). The effect of oxide films of different thicknesses on the surface of Ti upon the wettability of the latter by the Ag-Cu alloy was also studied. The specimens were oxidized in air at 800 and 900C for a period of 30, 60, and 120 min. The results are shown graphically, (see Fig. 2). It is concluded that the rate of wetting of oxide-coated Ti specimens by Ag--Cu alloy depends, to some

Card 1/3

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ACC NR: AT6022716

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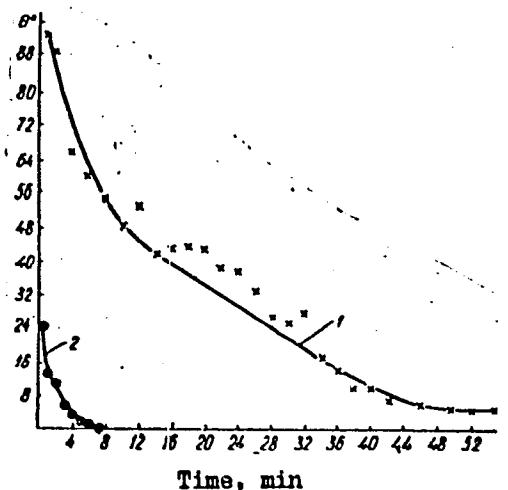
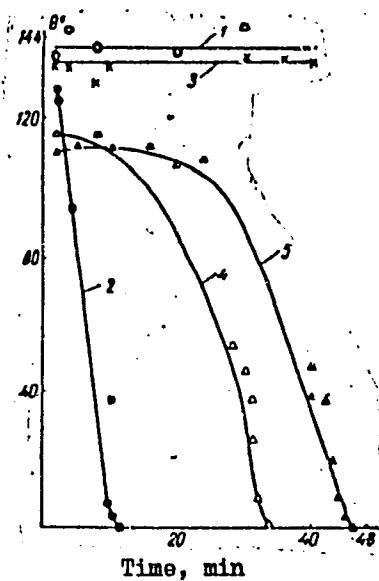


Fig. 1. Change in the contact angle as a function of time during wetting of Ti specimens by Ag-Cu alloy: 1 - 800°C; 2 - 850°C.

Card 2/3

1. *Hecht*
ACC NR: AT6022716

Fig. 2. Change in the contact angle as a function of time during wetting of Ti specimen oxidized in air at 800C by Ag-Cu alloy. Duration of oxidation in min and oxidation temperature respectively: 1 - 30, 800C; 2 - 30, 900; 3 - 60, 800; 4 - 60, 900; 5 - 120, 900.



extent, on the rate of solubility of the oxide coat in the alloy. Orig. art. has: 5 graphs.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 002/ OTH REF: 001

Card 3/3 15

BREDIKIS, Yu.I., kand.med.nauk; KAZAKEVICHUS, P.P., inzhener

Small electrostimulator for the heart. Vest-khir. no.7:110-111
'61. (MIRA 15:1)

1. Iz Kaunasskogo meditsinskogo instituta (dir. - prof. Z.I. Yanushkevichus) i Kaunasskikh elektromekhanicheskikh masterskikh po remontu meditsinskoy apparatury (zav.-A.Ramunas).
(CARDIOLOGY—EQUIPMENT AND SUPPLIES)

KAZAKEVICIUS, J., prof.

Compression fractures and fracture-dislocations of the spine. Sveik.
apsaug. 7 no.6 (78):12-17 Je '62.
(SPINAL INJURIES) (FRACTURE FIXATION)

KAZAKHASHVILI, M.R.

Study of the quantitative distribution of free amino acids
and reactions of aspartic acid decarboxylation. Seob. AN
Grud. SSR 29 no. 4:413-419 0 '62 (MIRA 19:1)

1. Institut fiziologii AN GruzSSR, Tbilisi. Submitted June 30,
1961.

KAVAKASHVILI, M.R.

Study of the asparaginase activity and the reaction of
inosinic acid amination in a rat muscle homogenate. Frudy
Inst. fiziol. AN Gruz. SSR 13:209-214 '64.
(NIBA 1246)

KAZAKH SHAVIL

Def. at
Tbilisi State U.

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APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721310001-6"

1. SMIRNOV, G. M.; KACAKHASHVILI, T. G.
2. USSR (600)
4. Shale - Caucasus
7. Crystallic shales of Transcaucasia and central Caucasia, Dokl. AN SSSR, 87, No. 1, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

3(5)

PART I BOOK REPORTATION

SOV/2505

Academica Nauk Gruzinskoy SSR. Sovet po inucheniyu proizvodstva i nauchnoi

Prilozheniye resuzy Gruzinskoy SSR. t. 2: Metallicheskaya poljotrae
iakoplyayushchaya (natural Resources of the Georgian Soviet Socialist Republic). Mineral Deposits. Moscow, Izdavo. AM
SSSR, 1959. 371 p. Errata slip inserted.

Ed. 1. P.M. Tavadas, Corresponding Member, Gruzinskaya SSR Academy of
Sciences; Ed. of Publishing House, E.M. Pirogov; Tech. Ed.:
A.P. Guseva; Editorial Board: R.I. Adzharia, Sh. N. Archazadze, N.D.
Gulashvili, G.G. Gvazdikashvili, B.R. Gvazdikashvili, A.R. Dzamashvili,
P.M. Dzotsenidze, S.V. Dumbadashvili, N.M. Katskhoveli, I.J. Mikashvili,
and P.O. Shengelia. A.A. Frajndelidze (Deceased), G.V. Tsetishvili.

PURPOSE: This book is intended for economic geologists and mineralogists.

COVERAGE: This collection of articles describes the nonmetallic mineral deposits of the Gruzinskaya SSR and the extent to which they have been exploited. Individual articles discuss the importance of barite, dolomite, talc, andesite, and other minerals to the chemical industry; of barite, gneiss, and other minerals to the petrochemical industry; and of marble, slate, and bentonitic clays to the construction industry. A map depicting the locations of mineral deposits is included with the work. No personalities are mentioned. References accompany each article.

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CIA 9/1

ZARIDZE, G.M.; KAZAKHASHVILI, T.G.

Genetic difference in the boudinage structure of the Northern
Caucasus. Uzb.geol. zhur. no.3:3-6 '60. (MIRA 13:11)

1. Gruzinskiy politekhnicheskiy institut.
(Caucasus, Northern--Geology, Structural)

ZARIDZE, G.M.; KAZAKHASHVILI, T.G.; KIKNADZE, I.I.

Example of metasomatic granitization, Izv. vys. ucheb. zav.; geol,
1 razv. no.11:68-70 N '60c (MIRA 14:2)

1. Gruzinskiy politekhnicheskiy institut im. V.I. Lenina.
(Granitization)

ZARIDZE, G.M.; KAZAKHASHVILI, T.G.

Genesis of granitoids of the Tysyl Gorge in the Northern Caucasus.
Soob. AN Gruz.SSR 24 no.5:555-557 My '60. (MIRA 13:8)

1. Geologicheskiy institut AN GruzSSR, Tbilisi. Predstavлено членом-
корреспондентом Академии П.Д.Гамкрелидзе.
(Tyzyl Valley--Granite)

ZARIDZE, G.M.; RAZAKHASHVILI, T.G.

Composition and formation of the lower Paleozoic Amanchik
suite of the Northern Caucasus. Vest. Mosk. un. Ser. 4: Geol.
16 no. 6: 36-45 N.-D '61. (MIRA 14:12)

1. Kavkazskaya ekspeditsiya Moskovskogo gosudarstvennogo
universiteta i Kafedra petrografii i mineralogii Gruzinskogo
politekhnicheskogo instituta.
(Caucasus, Northern--Mineralogy)

ZARDIZE, G.M.; KAZAKHASHVILI, T.G.; KIKNADZE, I.I.; MANVELIDZE, R.M.

Structural and petrological features of ancient crystalline rocks
in the Northern Caucasus. Sov.geol. 5 no.2:29-36 F '62.(MIRA 15:2)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova i
Gruzinskiy politekhnicheskiy institut imeni V.I.Lenina.
(Caucasus, Northern--Rocks, Crystalline and metamorphic)

ZARIDZE, G.M.; KAZAKHASHVILI, T.G.; MANVELIDZE, R.M.

Clay schists and sandstones in the upper Adylsu and Adyrsu Rivers
(Baksan Basin) of the northern Caucasus. Izv.vys.ucheb.zav.; geol.i
razv 5 no.6:28-31 Je '62. (MIRA 15:7)

1. Gruzinskiy politekhnicheskiy institut imeni V.I.Lenina.
(Baksan Valley—Clay) (Baksan Valley—Sandstone)

KAZAKHASHVILI, Zh.R.

Study of principal mollusk complexes in Lower Oligocene
sediments of the Akhaltsikhe Depression. Soob. AN Gruz.
SSR 40 no.2:387-391 " 1 '65. (MIRA 19:1)

1. Institut paleobiologii AN GruzSSR. Submitted June 28, 1965.

KAZAKHASHVILI, Zh.R.

Conditions governing the existence of Early Oligocene mollusks
in the Akhaltsikhe depression. Soob. AN Gruz. SSR 39 no.2:379-
382 Ag '65. (MIRA 18:9)

1. Institut paleobiologii AN GruzSSR. Submitted May 28, 1965.

KAZAKHETSYAN, A.M.

Dried colostrum in gastrointestinal diseases of young livestock.
Veterinariia 35 no.9:79-80 S '58. (MIRA 11:9)

1. Respublikanskaya vетеринарная лаборатория АрмССР.
(Colostrum) (Alimentary canal--Diseases)

KALAKIN, V. OLYSHA, L.

Fertilizers and Manures

Mechanization of fertilizer placement. Khozyaistvo No. 4, 1951.

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified

ZHABIN, A.G.; KAZAKHOVA, M.Ye.

Thorite from the alkaline complex of the Vishnevyye Mountains in the
Urals. Dokl. Akad. Nauk SSSR 134 no.1:164-167 S '60. (MIRA 13:8)

1. Predstavleno akad. N.I. Shcherbakovym.
(Vishnevyye Mountains--Thorite)

KAZAKIEWICZ, K.

✓ 2378. DEDICATION TO THE PROBLEM OF CRYOGENICS FOR NATURAL GAS.
Kaz. Poln. Tech. Inst. Gas, Water, Sanit. Engng, Warsaw,
Inst. Tech. Indust. Inst. Petrol. Gdansk

KAZAKIN, V.

The new system of administering the construction projects of
Moscow and the organization of labor. Sots. trud no.5:9-15
My '57. (MILIA 10:6)

1. Nachal'nik otdela truda i zarabotnoy platy Glavmosstroya.
(Moscow--Building)

KAZAKIN, V., inshener.

Enlarged piece-work assignment. Stroitel' 25 My '57.
(MLRA 10:6)

1. Nachal'nik otdela truda i zarabotnoy platy Glavmosstroya.
(Wages)

SHATALOV, P., bukhalter; SHEL'YAKINA, Ye.; BARABASH, M.; TARAN, G.;
KARNAUKHOV, V.; KAZAKIN, V.; YAL'TSEV, M.

Wages based on finished production. Sots.trud no. 2:115-123 Ag '57.
(MIRA 10:9)

1. Rukovoditel' normativno-issledovatel'skoy gruppy "Ukrglavmyaso"
pri Kiyevskom myasokombinat'e (for Snel'yakina). 2. Star'y inzhener
normativno-issledovatel'skoy gruppy "Ukrglavmyaso" pri Kiyevskom
myasokombinat'e (for Barabash). 3. Starshiy inzhener normativno-
issledovatel'skoy gruppy "Ukrglavmyaso" pri Kiyevskom myasokombinat'e
(for Tar'an). 4. Nachal'nik otdela truda i zarabotnye platy Urals-
Kaspinskogo rybopromyshlennogo tresta, g. Gur'yev Kazakhskoy SSR
(for Karnaukov). 5. Nachal'nik otdela truda i zarabotnye platy
Glavmosstruya (for Kazakin). 6. Inzhener otdela truda i zarabotnye
platy Glavmosstruya (for Yal'tsev).
(Piecework)

KAZAKIN, V.V.; TSENNIN, S.A.; SHUBIK, A.Ye.; RAGINSKIY, S.A., inzh., red.

[Work norms and wages for construction workers] Normirovaniye i oplata
truda stroitel'nykh rabochikh. Moskva, Gos. izd-vo lit-ry po stroit.,
arkhit. i stroit. materialam, 1958. 127 p. (MIRA 11:?)
(Wages) (Construction industry)

KAZAKIN, V., inzh.; AZBEL', B., inzh.

Pay wages to tower crane operators according to a piece-rate system. Na stroi. Mosk. 1 no.9:22-23 S '58. (MIRA 11:12)
(Wages)

~~KAZAKIN, V.V., inzh.~~

~~Mixed brigades on the construction sites of the Main Administration
for Housing and Public Construction in the City of Moscow. Gor. khoz.
Mosk. 32 no.9:10-12 S '58.
(Moscow--Building)~~

VINOKUROV, K.D.; DREMIN, M.V.; KAZAKIN, V.V.; GRIBIN, G.P., red.;
MORSKOV, K.L., red.izd-va; RUDAKOVA, N.I., tekhn.red.;
TEMKINA, Ye.L., tekhn.red.

[Mixed brigades on the construction sites of the Main
Administration for Housing and Public Construction in the
City of Moscow] Kompleksnye brigady na stroikakh Glav-
mosstroia. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i
stroit.materiam, 1959. 61 p. (MIRA 13:1)
(Moscow--Building) (Wages)

KAZAKIN, V.

Our group is working the communist way. Stroitel' no. 3:9-10
(MIRA 14:2)
Mr '61. (Apartment houses) (Precast concrete construction)

KAZAKIN, Veniamin Vladimirovich; YARTSEV, N., red.; SHLYK, M., tekhn.
red.

[Construction workers of Moscow and Leningrad are in competition]
Stroiteeli Moskvy i Leningreda sorevnuiutsia. Moskva, Mosk. rabo-
chii, 1961. 38 p. (MIRA 14:12)
(Socialist competition) (Moscow—Construction industry)
(Leningrad—Construction industry)

KAZAKIN, Veniamin Vladimirovich; DRENIN, Mikhail Vladimirovich;
RIMMER, V.S., inzh., nauchnyy red.; GLAZUNOVA, Z.M., red.
izd-va; IGNAT'YEV, V.A., tekhn. red.

[New wage system in the construction industry] Novye usloviia
oplaty truda v stroitel'stve. Moskva, Gos. izd-vo lit-ry po
stroit., arkhit. i stroit. materialam, 1961. 92 p.

(Wages--Construction industry) (MIRA 15:2)

27-58-5-16/18

AUTHOR: Kazakov, A., Foreman in the Artisan School Nr 35 (Leningrad)

TITLE: Let's Install a Modern Cutting Instrument (Vnedryayem sovremennyy rezhushchiy instrument)

PERIODICAL: Professional'no-Tekhnicheskoye Obrazovaniye, 1958, Nr 5,
pp 30 - 31 (USSR)

ABSTRACT: The writer states that he teaches his classes with an excellent quick-working cutter or mill invented by I.D. Leonov, of the Kirovskiy zavod (Kirov Factory). This instrument is described and illustrated. There are 2 figures.

AVAILABLE: Library of Congress

Card 1/1 1. Education-Study and teaching

KAZAKOV, A., insh.

Transshipping coal in the port of Rio de Janeiro. Rech. transp.
23 no.1:61-62 Ja '64. (MIRA 18:11)

KAZAKOV, A.

Large diameter tri-cone rock bits. Nov.neft.tekh.:Bur.no.3 [1.e.2]:
4-5. '46. (Rock bits) (MLRA 9:4)

KAZAKOV, A., inzh.; NIURKIN, I., inzh.

Using pack-forming machines in the transportation of cement
in bags. Rech. transp. 24 no. 7;21-22 '65. (MIRA 18:8)

ts. Gor'kovskiy institut inzhenerov vodnogo transporta.

ZUYEV, V.; KAZAKOV, A.; DERBOGLAV, Ye.

Aviation personnel of the Ukraine discover the potentialities of
production. Grazhd.av. 13 no.8:30-31 Ag '56. (MLRA 9:10)

(Ukraine--Aeronautics, Commercial)

KAZAKOV, A., i:zh.

For a further reduction in the cost of design and construction.
Rech.transp. 19 no.1:39-40 Ja '59. (MIRA 13:5)
(Hydraulic engineering)

KAZAKOV, A., kand.tekhn.nauk

Expansion of customer piers. Rech.transp. 19 no.9:15-17 5
'60. (MIRA 13:9)
(Piers) (Cargo handling)

KAZAKOV, A., kand.tekhn.nauk; REZNICHENKO, U., inzh.

Methods of transportation, loading, and unloading of cement and
their economic efficiency. Rech. transp. 19 no.11:7-9 N '60.

(MIRA 13:11)

(Cement--Transportation)

(Cargo handling)

KAZAKOV, A.

Determining the planned level of navigable rivers in the unsteady
regimen zone of the tail waters of hydroelectric power stations.
Rech. transp. 24 no.4:41-43 '65.

(MIRA 18:5)

1. Glavnnyy gidrolog Kamskogo basseynovogo upravleniya puti.

KAZAKOV, A., kapitan tekhnicheskoy sluzhby

Warmth of skillful hands. Starsh.-serzh. no.1:22 Ja '61.
(MIRA 14:7)
(Airplanes, Military--Maintenance and repair)

KAZAKOV, A., inzh.

Tasks involved in the utilization for transportation purposes
of the Bratsk Reservcir. Rech.transp 21 no.4:34-36 Ap '62.
(MIRA 15:4)
(Bratsk Reservoir---Inland water transportation)

ORLOVSKIY, B.; KAZAKOV, A.

Construction of foundations on permafrost soil. Stroitel' 8
no.6:3-4 Je '62. (MIRA 15:7)
(Frozen ground) (Foundations)

KAZAKOV, A.

Salavat, Zhil. stroi, no.12:23-25 '62. (MIRA 16:1)

1. Glavnnyy inzhener stroitel'nogo uchastka No. 2 tresta
Salavatstroy.

(Salavat—Apartment houses)
(Precast concrete construction)

KAZAKOV, A., inzh.; KAZAKOVA, L., inzh.

Ship lifter on the Charleroi - Brussels Canal, Rech. transp. 22 no.3:
45-46 Mr '63. (MIRA 16:4)
(Charleroi-Brussels Canal--Locks (Hydraulic engineering))

KAZAKOV, A., inzh.

Use of electromagnets in harbors; practices in foreign
countries. Rech. transp. 22 no.4:45-46 Ap '63.
(MIRA 16:4)

(Electromagnets)
(Cargo handling)

KAZAKOV, A., inzh.

New vertical ship raising structure on the Dortmund-Ems Canal.
Rech. transp. 22 no. 7:52-53 Jl '63. (MIRA 16:9)
(Dortmund-Ems Canal--Locks (Hydraulic engineering))

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CIA-RDP86-00513R000721310001-6

KALANOV, A. A.

KALANOV, A. A. -- "RESISTANCE TO DEFORMATION AND THE ELASTICITY OF METALS IN VARIOUS STRAINED STATES," SUB JUN 50, Moscow Inst of Nonferrous Metals and Gold, Thesis, M. I. KALANOV (DISSERTATION FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCES)

GU: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1950

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CIA-RDP86-00513R000721310001-6"

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S/136/60/000/05/012/025

E071/E235

AUTHORS: Kazakov, A. A., Kovalev, I. G., and Kolpashnikov, A. I.

TITLE: Heat Resistant Deformable Magnesium Alloy MA13

PERIODICAL: *Tsvetnyye metally*, 1960, Nr 5, pp 62-65 (USSR)

ABSTRACT: On the basis of preliminary investigations of various magnesium alloys, carried out during 1956 to 1957 by VIAM, and literature data, an alloy of the system Mg-Th-Mn under the name of MA13 (similar in composition to an American alloy NM21KhA) was found to be the most heat resistant and was chosen for more detailed investigations; the results of these are reported in the paper. A few heats of the alloy were prepared for the investigation in a steel crucible (12 kg) with the application of flux VI2. Magnesium and alloying addition MGS-1 was melted at 700 to 720°C. Thorium was introduced in the form of turnings at 800°C in a preheated bell. During the introduction of thorium, the surface of the metal bath was covered with a small amount of flux containing 55% of KCl, 28% of CaCl₂, 15% of BaCl₂ and 2% of CaF₂. The alloy (cooled to about 720 to 740°C) was cast into metal moulds, preheated to 100 to 150°C. The experimental ingots (25 x 150 x 300 mm) were rolled into sheets 1 to 6 mm

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Heat Resistant Deformable Magnesium Alloy MA13

thick, on a two high mill, with rolls 4000 mm in diameter, preheated to 100 to 120°C. Temperature at the beginning of rolling 450 to 500°C, at the end of rolling 300 to 350°C, reduction per pass 20 to 30%. Rolled sheets were thermally treated with an intermediate cold rolling: a) heating (for hardening) to 550 to 560°C with a 30 minute soaking in a protective atmosphere (sulphurcous gas) and cooling in air; b) cold rolling with total reduction of 7 to 10%; c) ageing at 200°C for 16 hours. After hardening, the sheets were pickled in a 5% solution of nitric acid and hand dressed. After hot rolling, the alloy possessed a fibrous structure of a deformed, partially recrystallised material. After hardening, a fully recrystallised equiaxial structure is formed. The physical properties of the alloy are entered in Table 1; the mechanical properties are given in Table 2; a comparison of the mechanical properties of the alloys MA11, MA2-1, MA8 with those of MA13 are given in Tables 3, 4 and Fig 4. It was found that at temperatures above 240°C alloy MA13 possesses superior mechanical properties

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Heat Resistant Deformable Magnesium Alloy MA13

not only in comparison with standard magnesium alloys, but also compared with the most heat resistant aluminium alloy D20 (Table 4). An investigation of the corrosion resisting properties indicated that it has no tendency to corrosion cracking under stress. It has good welding properties (argon arc welding) and shows no tendency to cracking. Annealing for the removal of internal stresses in welded joints is not obligatory. The strength of a welded joint amounts to not less than 75% of the strength of the main metal. The alloy is suitable for stamping; bending and stretching of sheets should be done at 350 to 400°C. The limiting coefficient of the first stretching 3 to 3.2, the minimum permissible radius of bending 3 to 3.5 of the thickness of the material. The alloy MA13 is recommended for the manufacture of parts operating for long periods at 300 to 350°C and short periods at 400°C. The necessary precautions against the radioactivity of thorium during the preparation of thorium alloys are outlined. There are 4 figures, 4 tables and 7 references, 2 of which are Soviet, 3 English and 2 German.

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S/130/61/000/006/001/004
A006/A101

AUTHORS: Kurapin, B. S., Kazakov, A. A.

TITLE: All-Union Conference on the production of semi-killed steel

PERIODICAL: Metallurg, no. 6, 1961, 18 - 19

TEXT: Although the manufacture of semi-killed steel is increasingly developing abroad, in particular in the USA, this steel grade was until the present produced in the USSR only in inconsiderable amounts. From 1959 to 1960 a number of metallurgical plants and scientific research institutes were charged to develop the technology and assimilation of semi-killed steel production in the Soviet Union. Experiences gathered in this field have been exchanged during an All-Union Conference organized by the Ukrainian Scientific Research Institute of Metals and the Stalino Sovnarkhoz at Stalino from January 31, to February 2, 1961. The Conference heard 16 reports on the results of investigations obtained by a number of plants and organizations, including, Azovstal', the Krivoy Rog and Makeyevka Plants, the KMK, the Zhdanov Plant imeni Il'yich, Plant imeni Dzerzhinsky, the Dnepropetrovsk Metallurgical Institute, etc. Mechanical and chemical methods of converting rimming into semi-killed steel had been developed and sav- ✓

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All-Union Conference on the production of ...

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A006/A101

ings in head crops amounting from 2 to 10% had been achieved in the manufacture of semi-killed steel sheets, rails, reinforcement fittings, and roll metal containing 0.05 - 0.5% C. A technology was developed for the production of bottle molds for the teeming of rimming steel. The Conference recommended a technology for semi-killed steelmaking which differs from rimming or killed steel manufacture merely by the deoxidation method. For the manufacture of semi-killed steels with over 0.25% C deoxidation should be performed by adding into the ladle ferrosilicon (in an amount calculated for 0.05 - 0.12% Si in the finished steel) and aluminum (100 - 300g/t). Deoxidation is corrected by the addition of aluminum shot into the mold or the feed trumpet. For the production of steel with C below 0.25%, ferrosilicon is added in an amount assuring 0.05 - 0.12% Si in the finished steel and Al 300 - 500 g/t. The chemical method of converting rimmed into semi-killed steel during syphon casting should be conducted by adding 45% Al or 75% ferrosilicon into the molds. When teeming Cr .3kn (St.3kp) steel, the deoxidizers for the chemical conversion are added in the following approximate amounts: 150 - 200 g/t Al and 300 - 400 g/t 75%-Fe-Si. For the conversion of 0.8knCr.1 (0.8kp St.1) and Cr.2kn (St.2kp) rimming steels 250 - 300 g/t aluminum must be added. The mechanical method of converting the rimming steel is performed by teeming the steel into bottle-shaped molds using spherical lids. The

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ZAYTSEV, I.A.; KAZAKOV, A.A.; AKOL'TSEV, Ye.D.; UVAROV, V.V.

Production of St.5ps semikilled steel for helical rib bars.
Metallurg 7 no.7:20-21 J1 '62. (MIRA 15:7)
(Steel—Metallurgy)

KAZAKOV, A. A.

Ustroistva STSB i sviazi na zhelezno-dorozhnym transporte. Signalizing, centralization, block system and communications in railroad transportation. Utverzhdeno v kachestve uchebnika dlia tekhnikumov zhel-dor, transporta po svetsial'nosti "Dvizhenie i gruzovaya rabota." Moskva, Gos. transp. zhel-dor. izd-vo, 1949. 479 p. Illus.

DLC: TF615.K3

SC: SOVIET TRANSPORTATION AND COMMUNICATION, A BIBLIOGRAPHY, Library of Congress Reference Department, Washington, 1952, Unclassified.

BELOV, K.P.; KAKAKOV, A.A., redaktor.

[Light signals on railroads] Svetovye signaly na sheleznnykh dorogakh. Mo-
skva, Gos. transp. zhel-dor. izd-vo, 1952. 143 p. (MLRA 6:5)
"Railroads--Signaling)

BARANOV, A.F., redaktor; BIZYUKIN, D.D., redaktor; VAKH, ... , ... I., otvetstvennyy redaktor toma, professor, doktor tekhnicheskikh nauk; VEDENISOV, B.E., redaktor; IVLIYEV, I.V., redaktor; MOSHCHUK, I.D., redaktor; RUDOV, Ye.F., glavnnyy redaktor; SOKOLINSKIY, Ya.I., redaktor; SOLOGUBOV, V.N., redaktor; SHILEVSKIY, V.A., redaktor; ALFEROV, A.A., inzhener; ANASHKIN, B.T., inzhener; AFANAS'YEV, Ye.V., laureat Stalinskoy premii, inzhener; BELENKO, K.M., dotsent; BORISOV, D.P., dotsent, kandidat tekhnicheskikh nauk; ZHIL'TSOV, P.N., inzhener; ZBAR, N.R., inzhener; IL'YENKOV, V.I., dotsent, kandidat tekhnicheskikh nauk; KAZAKOV, A.A., kandidat tekhnicheskikh nauk; KRAYZMER, L.P., kandidat tekhnicheskikh nauk; KOTLYARENKO, N.F., dotsent, kandidat tekhnicheskikh nauk; MAYSHOV, P.V., professor, kandidat tekhnicheskikh nauk; MARKOV, M.V., inzhener; NELEPETS, J.S., dotsent, kandidat tekhnicheskikh nauk; NOVIKOV, V.A., dotsent; ORLOV, N.A., inzhener; PETROV, I.I., kandidat tekhnicheskikh nauk; PIVKO, G.M., inzhener; PODIN, A.M., inzhener; RAMLAU, P.N., dotsent, kandidat tekhnicheskikh nauk; ROGINSKIY, V.N., kandidat tekhnicheskikh nauk; RYAZANTSEV, B.S., laureat Stalinskoy premii, dotsent, kandidat tekhnicheskikh nauk; SNARSKIY, A.A., inzhener; VEL'DMAN, A.B., inzhener; SHASTIN, V.A., laureat Stalinskoy premii, inzhener; SHUR, B.I., inzhener; GONCHUKOV, V.I., inzhener, retsenzent; NOVIKOV, V.A., dotsent, retsenzent; AFANAS'YEV, Ye.V., laureat Stalinskoy premii, retsenzent;

[Technical handbook for railroad men] Tekhnicheskii spravochnik zheleznodorozhnika. Vol. 8. [Signaling, central control, block system, and communication] Signalizatsiya, tsentralizatsiya, blokirovka, sviaz'. Red. kollegialia A.F. Baranov [i dr.] Glav.red. E.F. Rudoi. Moskva, Gos. transp. zhel-dor. izd-vo, 1952. 975 p. (Continued on next card)

BRYLEYEV, A.M., laureat Stalinskoy premii, inzhener; GAMBURG, Ye.Yu., inzhener, retsenzent; GOLOVKIN, M.K., inzhener, retsenzent; KAZAKOV, A.A., kandidat tekhnicheskikh nauk, retsenzent; KUT'IN, I.M., dotsent, kandidat tekhnicheskikh nauk, retsenzent; LEONOV, A.A., inzhener, retsenzent; SEMENOV, N.M., laureat Stalinskoy premii, inzhener, retsenzent; CHERNYSHEV, V.B., inzhener, retsenzent; VALUYEV, G.A., inzhener, retsenzent; METTAS, N.A., laureat Stalinskoy premii, inzhener, retsenzent; NOVIKOV, V.A., dotsent, retsenzent; PIVOVAROV, A.L., inzhener, retsenzent; POGODIN, A.M., inzhener, retsenzent; KHODOROV, L.R., inzhener, retsenzent; PIVOVAROV, A.L., inzhener, retsenzent; POGODIN, A.M., inzhener, retsenzent; KHODOROV, L.R., inzhener, retsenzent; SHUPLOV, V.I., kandidat tekhnicheskikh nauk, retsenzent; KLYKOV, A.F., inzhener, retsenzent; YUDZON, D.M., tekhnicheskiy redaktor; VERINA, G.P., tekhnicheskiy redaktor.

[Technical handbook for railroad men] Tekhnicheskii spravochnik zheleznych dorozhnik. Vol. 8. [Signaling, central control, block system, and communication] Signalizatsiya, tsentralizatsiya, blokirovka, sviaz'. Red. kollegiia A.F. Baranov [i dr.] Glav.red. E.F. Rudoi. Moskva, Gos. transp. zhel-dor. izd-vo, 1952. 975 p. (Card 2) (MLRA 8:2)
(Railroads--Signaling) (Railroads--Communication systems)

MINAYEV, N.V.; KAZAKOV, A.A., nauchnyy redaktor; KONTSEVAYA, E.M., re-
daktor; KHYNOKHINA, K.V., tekhnicheskiy redaktor.

[Automatic and telemechanic equipment for railroad transportation
systems (STsB)] Avtomatika i telemekhanika na zheleznychodorozhnom
transporte 'STsB). Moskva, Vses. uchebno-pedagog. izd-vo Trudreserv-
izdat, 1954. 66 p. (MIRA 8:2)
(Railroads--Signaling)

KAZAKOV, Aleksandr Aristarkhovich; DAVYDOVSKIY, Vladimir Mikhaylovich;
KRYLOV, S.K., Redaktor; YUDZON, D.M., tekhnicheskiy redaktor

[Apparatus for signalling, centralization, block-system and
communication in railroad transportation] Ustroistva STsB i
sviazi na zheleznyodorozhnom transporte. Izd. 2-oe, perer. Moskva,
Gos.transp. zhel-dor.izd-vo, 1955. 503 p. (MLRA 9:2)
(Railroads--Signaling)

KAZAKOV, Aleksandr Aristarkhovich; RAKITO, E.I., redaktor; BOBROVA, Ye.N.,
tekhnicheskiy redaktor

[Electric centralization of switches and signaling] Elektricheskaya
tsentralizatsiya strelok i signalov. Izd. 3-e, perer. i dop.
Moskva, Gos. transp. zhel-dor. izd-vo, 1957. 447 p. (MLRA 10:6)
(Railroads--Signaling)

KAZAKOV, Alekseandr Aristarkhovich; CHIKHMENEV, N.M., inzh., red.; BOBROVA, Ye.N., tekhn. red.

[Automatic block system, automatic locomotive signaling, and automatic stop] Avtoblokirovka, avtomaticheskaiia lokomotivnaia signalizatsiia i avtostopy. Izd.3., perer. i ispr. Moskva, Gos. transp. zhel-dor. izd-vo, 1958 407 p. (MIRA 11:9)
(Railroads—Signalizing) (Railroads—Automatic train control)

TYURMOREZOV, Viktor Yevgrafovich, inzh.; KIRILOV, Mikhail Mikhaylovich, kand. tekhn. nauk; KOZLOV, Lev Nikolayevich, inzh.; KUMLIN, Ye.A., kand. tekhn. nauk, retsenzent; POZDNYAKOV, L.G., inzh., retsenzent; FEL'DMAN, A.B., inzh., retsenzent; KAZAKOV, A.A., kand. tekhn. nauk, red.; MEDVEDEVA, M.A., tekhn. red.

[Electric power supply to railroad communications, apparatus and automatic control, and remote control systems] Elektropitanie ustroistv sviazi, avtomatiki i telemekhaniki na zheleznodorozhnom transporte. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniya, 1961. 215 p. (MIRA 14:11)

(Electric power supply to apparatus)
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KAZAKOV, Aleksandr Aristarkhovich; DAVYDOVSKIY, Vladimir Mikhaylovich;
ZHIL'TSOV, N., inzh., retsenzent; MATYASH, S.Ye., inzh., retsen-
zent; NIKOL'SKII, V.A., inzh., retsenzent; STORCHUN, N.A., inzh.,
retsenzent; MARENKOVA, G.I., inzh., red.; NOVIKAS, M.N., inzh., red.;
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[Automatic control, remote control, and communication systems in rail-
road transportation] Ustroistva avtomatiki, telemekhaniki i sviazi na
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(Remote control)

BRYLEYEV, A.M., doktor tekhn.nauk, prof.; SHISHLYAKOV, A.V., kand.tekhn.
nauk; PUGIN, D.K., kand.tekhn.nauk; YEFIMOV, G.K., inzh.;
MCZHAYEV, S.S., inzh.; GRIGOR'YEV, N.I., inzh., retsenzent;
KAZAKOV, A.A., kand.tekhn.nauk, retsenzent; PETUSHKOVA, I.K.,
inzh., fed.; USENKO, J.A., tekhn.red.

[New systems of coded automatic block signaling] Novye sistemy
kodovoi avtoblokirovki. Moskva, Vses. izdatel'sko-poligr.
ob"edinenie M-va putei soob., 1961. 135 p. (Moscow. Vsesoiuznyi
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(MIRA 15:1)
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CHEKMELEV, Nikolay Modestovich; KRIVOBOKOV, Ivan Andreyevich, inzh.;
CHEREDKOV, Mikhail Nikolayevich, inzh.; KAZAKOV, A.A., kand.
tekhn. nauk, retsenzent; MEL'NIKOVA, V.I., inzh., retsenzent;
KHOMYAKOVA, Z.P., tekhn., retsenzent; MARENINA, G.I., inzh., red.;
USENKO, L.A., tekhn. red.
[Signaling systems, their installation and maintenance] Ustroj-
stvo STsB, ikh montazh i soderzhanie. Moskva, Transzheldor-
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(Railroads--Sginaling--Block system)

KAZAKOV, Aleksandr Aristarkhovich; ZHIL'TSOV, P.N., inzh., retsenzent;
ESTRIN, M.Z., inzh., retsenzent; MARENKOVA, G.I., inzh., red.;
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[Electric interlocking of switches and singnalizing systems]
Elektricheskaiia tsentralizatsiia strelok i signalov. 4., perer.
izd. Moskva, Transzhelizdat, 1962. 315 p. (MIRA 16:1)
(Railroads--Signalizing--Interlocking systems)
(Railroads--Signalizing) (Railroads--Switches)

KAZAKOV, A.A., kand. tekhn. nauk; MAKAROV, V.I., inzh.

Block-type semiautomatic pulse-relay block system Trudy
MIIT no.170:91-104 '63. (MIRA 17:6)

KAZAKOV, Aleksandr Aristarkhovich; MARENKOVA, G.I., inzh., red.

[Automatic block system, cab signaling, and automatic stop devices] Avtoblokirovka, avtomaticheskaiia lokomotivnaia signalizatsiia i avtostopy. 4. perer. i dop. izd. Moskva, Izd-vo "Transport," 1964. 370 p. (MIRA 17:5)

MEDZHIBOZHSKIY, M.Ya.; KAZAKOV, A.A.

Limiting element in the reaction of carbon oxidation in a steel smelting bath. Izv. vys. ucheb. zav.; chern. met. 8 no.5:12-16 '65. (MIRA 18:5)

1. Donetskiy nauchno-issledovatel'skiy institut chernoy metallurgii.

BRYLEYEV, A.M., doktor tekhn. nauk, prof. Prinimal uchastiye
BRYLEYEVA, Ye.A., inzh.; KAZAKOV, A.A. red.

[Rail track circuits in railroad transportation; a summary of lectures] Rel'sovye tsepi na zheleznodorozhnom
transporte; konspekt lektsii. Moskva, Mosk. in-t in-
zhenerov zhel-dor. transp., 1963. 154 p. (MIRA 18:6)

KULIKOV, V.O.; BORNATSKIY, I.I.; ZARUBIN, N.G.; DOROFEEV, G.A.;
KALUZHSKIY, Ye.A.; KAZAKOV, A.A.; KOVAL', R.F.; KORNEVA, N.K.;
TRET'YAKOV, Ye.V.; TRUVOV, Ye.A.; Prinimali uchastiye: ANDREYEV, V.I.;
GORDIYENKO, V.V.; GRIEVICH, I.P.; GUBAR', V.F.; DOLINENKO, V.I.;
ZHERNOVSKIY, V.S.; ZHIGA, Z.I.; KOMOV, N.G.; KURAPIN, B.S.;
OLESHKEVICH, T.I.; PRIKHODENKO, Ye.

Mastering the operations of 650- and 900-ton (mega - gram) capacity
open-hearth furnaces at the Il'ich metallurgical plant. Stal' 25
no.8:805-807 S '65. (MIRA 18:9)

1. DONNIICHERMET i Zhdanovskiy metallurgicheskiy zavod imeni Il'icha.

L 05621-67 EWT(1) AF

ACC NR: AP6024493

SOURCE CODE: UR/0181/66/008/007/2228/2230
36
34
B

AUTHOR: Druzhinin, V. V.; Kazakov, A. A.

ORG: Ural State University im. A. M. Gor'kiy, Sverdlovsk (Ural'skiy gosudarstvennyy universitet)

TITLE: Calculation of the spin-Hamiltonian constants by the method of irreducible tensor operators

SOURCE: Fizika tverdogo tela, v. 8, no. 7, 1966, 2228-2230

TOPIC TAGS: Hamiltonian, spin orbit coupling, nuclear spin, perturbation theory, matrix element

ABSTRACT: The Hamiltonian of an impurity ion with configuration l^N is written in the form $H = H_0 + V_{cr} + V_{so} + V_{ss} + V_{ss}$, where V_{cr} and V_{ss} are the spin-orbit and spin-spin interaction operators. Unlike earlier derivations of the spin Hamiltonian, V_{so} and V_{ss} are not replaced by equivalent operators, making it possible to take more complete account of the contributions made to the spin-Hamiltonian constants in different approximations of perturbation theory. Expressions are derived for the matrix elements of these operators and for the corresponding irreducible tensor operators. Numerical calculations for the ion V^{3+} in Al_2O_3 , obtained with the aid of these cal-

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ulations are in good agreement with the experimental data. The authors thank V. I. Cherepanov and R. S. Dagis for a discussion. Orig. art. has: 1 figure and 7 formulas

SUB CODE: 20/ SUBM DATE: 23Jul65/ ORIG REF: 005/ OTH REF: 006

Card 2/2 *egk*

KAZAKOV, A.A., kand. tekhn. nauk; STEPENSKIY, B.M., inzh.

Choice of standard logical elements for ~~computerized~~ traffic control
devices. Avtom., telem. i svyaz' no.9:1617 S '65. (MIRA 18:9)

KAZAKOV, A.A., kand. tekhn. nauk; STEPENSKIY, B.M., inzh.

Logic circuits using ferrite and transistor elements.
Avtom., telem. i sviaz' 9 no.10:11-14 0 '65.
(MIRA 18:11)

KAZAKOV, A.A.; MEDZHIBOZHSKIY, M.Ya.; GUBAR', V.F.

Dependence of the oxygen content in open-hearth steel on
technological factors. Izv. vys. ucheb. zav.; chern. met.
7 no.11:59-65 '64. (MIRA 17:12)

KAZAKOV, A B

6-1-16/16

AUTHOR: None Given

TITLE: Chronicles (Khronika)

PERIODICAL: Geodeziya i Kartografiya, 1958, Nr 1, pp. 79 - 80 (USSR)

ABSTRACT: A conference of the directors of the cartographical printing-offices and of the scientific divisions for map-composition took place in the Central Office for Geodesy and Cartographyth at the Ministry of the Interior of the USSR from December 16th to December 20th, 1957. This conference was devoted to the problems concerning the state of the cartographical printing-offices GUGK and to the measures required to fulfil the plan for 1958. The representatives of the military-topographical office, the TsNIIGA i K and the MIIGA i K attended this conference. The conference was opened by the director of the GUGK (Central Office for Geodesy and Cartography), A. N. Baranov. Lectures were held by: 1) The head of the division GUGK - G. V. Artamonov on: "On the performance of the plan by the cartographic printing-offices GUGK within 11 months of the

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KAZAKOV, A. D.

Electric Apparatus and Appliances

Experience with preventive testing of electrical equipment, Z. b. zhurn. 3, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified

KAZAKOV, A. D.

Electric Machinery

Feelers for checking soldered parts of a collector. Rab. energ. 3 No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953. U:classified

3(2)

AUTHORS:

Danil'chev, A. M., Kazakov, A. I.

S/006/60/000/02/003/024
B007/B011

TITLE:

Creation of ^VMaps on a Scale of 1 : 25,000 for Mountainous and
Highland Regions

PERIODICAL: Geodeziya i kartografiya, 1960, Nr 2, pp 10-20 (USSR)

ABSTRACT:

The stereotopographic workshop of the Kazakhskoye aerogeodezicheskoye predpriyatiye (Kazakhskoye Aerogeodetic Enterprise) conducted stereotopographic operations preparatory to the production of maps as mentioned in the title in 1958 and 1959. Aerial photographs on two different scales were used for the purpose. So far, stereotopographic surveys have been made on this basis in 26 trapezes with a total 2449.6 km². Of the two regions surveyed, one is a highland region with absolute altitudes up to 3000 m. The region is almost uninhabited. The second region is traversed by a highland crest; absolute altitudes amount to 3500 m, the area is sparsely inhabited. A description is given here of the characteristics of both regions, of aerial surveying in summer, of the field compilation survey, and the stereotopographic operations in both regions. The following is stated on the basis of the experience made: aerial

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photographs taken on two scales for the preparation of large scale maps for the regions in question permit an appreciable reduction to be achieved in the bulk of field work with respect to the horizontal and vertical bridging. For the purpose of condensing the point altitudes in stereotopographic surveys of mountainous and highland regions it is advisable to utilize the stereoprojector SPR-2. The accuracy of altitude condensation with this device secures the possibility of producing maps with 1 : 25,000 for mountainous regions on the basis of small scale aerial photographs, not only with a vertical interval of 10 m each, but also with such having 5 m each. If the difference of interval per image pair is not more than 600-800 m, the stereometer STI-2 can be used for the altitude condensation on the basis of small scale aerial photographs for the production of maps (only for mountainous regions with vertical intervals of 10 m each). The condensation of the horizontal photo-control may be made on the multiplex on the basis of small scale aerial photographs, with the scale, however, being not less than 1 : 40,000. The interpretation results of aerial photographs showed that it is not necessary to increase the

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number of orientation points in those zones. One point, to be readily recognized on all adjacent aerial photographs, will be sufficient for each zone. When preparing maps on the basis of aerial photographs on two scales, a high quality of aerial photographs from the photographic and photogrammetric aspect must be secured. Moreover, photographs must be taken with both aerial cameras. To increase the efficiency, the enterprises must be provided with multiplex, stereoprojectors of the Romanovskiy SPR-2¹⁸, and Drobyshev stereographs in sufficient quantities. There are 3 figures and 13 tables.

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